

Angela Camille Cidro
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Activity 05 Documentation

Setting up the server

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
Unable to find image 'httpd:2.4' locally
2.4: Pulling from library/httpd
59692152171a: Pull complete
7284b4e0cc7b: Pull complete
3678b2d55ccd: Pull complete
aeb67982a725: Pull complete
96954f8169fd: Pull complete
Digest: sha256:48bae0ac5d0d75168f1c1282c0eb21b43302cb1b5c5dc9fa3b4a758ccfb36fe9
Status: Downloaded newer image for httpd:2.4
54543bb3603af4dd5efcddeb78c98ad78b4494dde31e8ddb960d4fac3fecbde4

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker stop apache
apache

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker run --rm -d --name apache -p 80:80 httpd:2.4
ed26c9ff11150e4a1f1e437910fe15ddef931d70f356ea75858b52f914e97b19

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>
```

Managing volumes

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker volume ls
DRIVER    VOLUME NAME

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker volume create myvolume
myvolume

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker volume rm myvolume
myvolume

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker volume ls
DRIVER    VOLUME NAME
```

Mounting volumes on container

```
C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker cp index.html apache:/usr/local/apache2/htdocs/

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker stop apache
apache

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
c44cb6b0553ef75a2604aa9d850f49d0f60e37fbb6e1fe602def6f2958315c4c

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>curl localhost
<html><body><h1>It works!</h1></body></html>

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker stop apache
apache

C:\Users\scarl\OneDrive - University of the Philippines\Desktop\3rd year - 2nd sem\CoE 197\ME8_Containerization_and_Dock
er\5-volumes>docker volume rm httpd_htdocs
httpd_htdocs
```